EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	506	(546/123).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/09 13:28
L2	26	l1 and phosphodiesterase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/09 13:28

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTANXR1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS	17	JUL 16	CAplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:29:46 ON 09 AUG 2007

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CASREACT' ENTERED AT 13:29:57 ON 09 AUG 2007
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FILE CONTENT:1840 - 5 Aug 2007 VOL 147 ISS 7

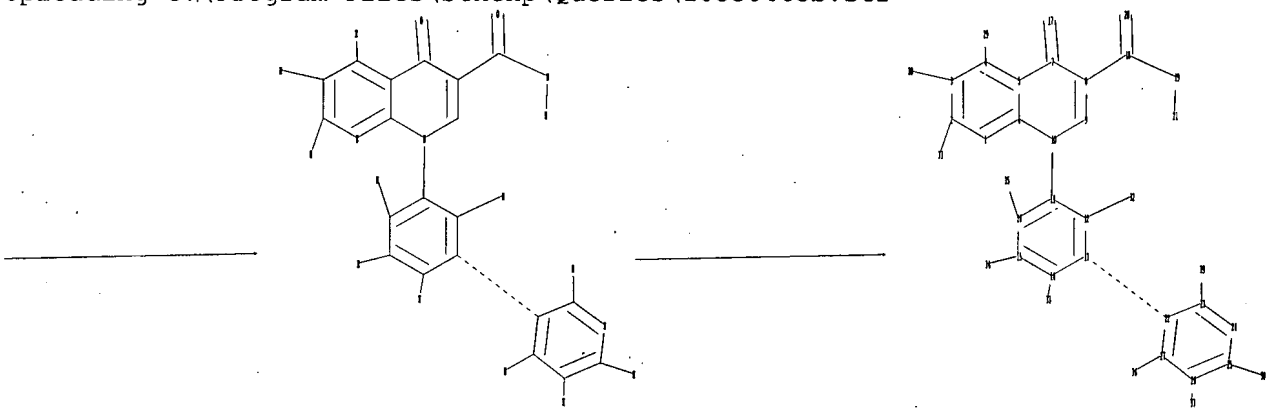
New CAS Information Use Policies, enter HELP USAGETERMS for details.

****
*
* CASREACT now has more than 12 million reactions
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10530465b.str



chain nodes :
17 18 19 20 21 29 30 31 32 33 34 35 36 37 38 39
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 22 23 24 25 26 27
chain bonds :
2-31 3-30 4-29 7-17 8-18 10-11 12-32 13-22 14-33 15-34 16-35 18-19
18-20 19-21 23-39 25-38 26-37 27-36
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14
14-15 15-16 22-23 22-27 23-24 24-25 25-26 26-27

```
exact/norm bonds :
5-7  6-10  7-8  7-17  8-9  9-10  10-11  13-22  18-19  18-20
exact bonds :
2-31  3-30  4-29  8-18  12-32  14-33  15-34  16-35  19-21  23-39  25-38  26-37
27-36
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  11-12  11-16  12-13  13-14  14-15  15-16  22-23
22-27  23-24  24-25  25-26  26-27
isolated ring systems :
containing 1 : 11 : 22 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:CLASS  18:CLASS  19:CLASS
20:CLASS  21:CLASS  22:Atom  23:Atom  24:Atom  25:Atom  26:Atom  27:Atom  29:CLASS
30:CLASS  31:CLASS  32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:CLASS
38:CLASS  39:CLASS
fragments assigned product role:
containing 1



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 full
FULL SEARCH INITIATED 13:30:21 FILE 'CASREACT'
SCREENING COMPLETE -      160 REACTIONS TO VERIFY FROM        3 DOCUMENTS

100.0% DONE     160 VERIFIED      22 HIT RXNS                      1 DOCS
SEARCH TIME: 00.00.01

L2            1 SEA SSS FUL L1 (    22 REACTIONS)

=> d ibib abs fhit tot


L2   ANSWER 1 OF 1  CASREACT  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         141:7041  CASREACT
TITLE:                    One-pot preparation of naphthyridine derivatives,
                          useful as inhibitors of phosphodiesterase-4
INVENTOR(S):              Albaneze-Walker, Jennifer; Ceglia, Scott; Murry, Jerry
                          Anthony; Soheili, Arash
PATENT ASSIGNEE(S):       Merck & Co., Inc., USA
SOURCE:                   U.S. Pat. Appl. Publ., 57 pp., which
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
     US 2004102472      A1   20040527      US 2003-690118   20031021
     US 6909002         B2   20050621
```

PRIORITY APPLN. INFO.: US 2002-428315P 20021122
US 2003-472598P 20030522

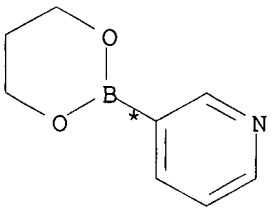
OTHER SOURCE(S): MARPAT 141:7041

GI

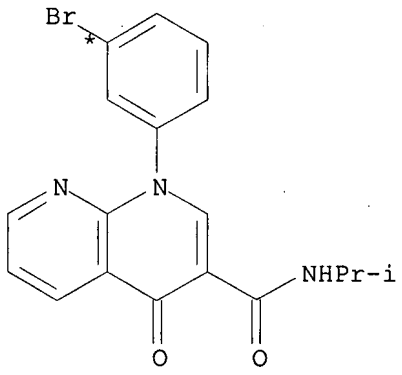
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to one-pot preparation of naphthyridine derivs. of formula I [wherein: OR1 is a suitable leaving group; R2 is C1-8alkyl, (un)substituted (hetero)aryl], useful as inhibitors of phosphodiesterase-4 (no biol. data). For instance, naphthyridine derivative II was prepared via heterocyclization of Et 2-chloronicotinoylacetate, 3-bromoaniline, and acetic anhydride, hydrolysis of the obtained ester III (R3 = Br), amidation by isopropylamine, and subsequent phenylacetylation by 3-acetylphenylboronic acid (example 1, no yield data). Naphthyridine derivative IV was prepared using the prepared intermediate III [R3 = -B(OH)2] (p. 49-53).

RX(12) OF 305 ...AL + B ===> AM

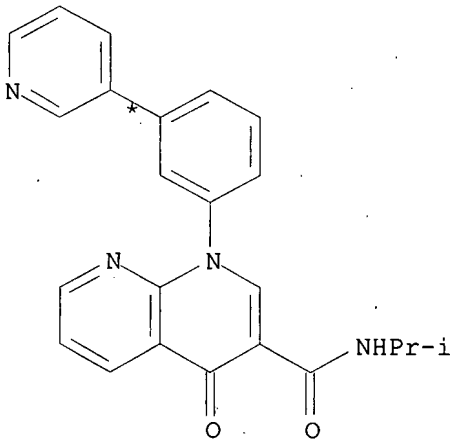


AL



B

(12)



AM

RX(12) RCT AL 131534-65-1, B 477251-79-9
        RGT D 497-19-8 Na2CO3
        PRO AM 477251-87-9
        CAT 72287-26-4 Palladium, [1,1'-bis(diphenylphosphino-
             κP)ferrocene]dichloro-, (SP-4-2)-
        SOL 7732-18-5 Water, 64-17-5 EtOH
        CON 1 hour, reflux
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                     RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	118.92	119.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

STN INTERNATIONAL LOGOFF AT 13:31:09 ON 09 AUG 2007

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LOGINID:SSPTANXR1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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NEWS 2	MAY 01	New CAS web site launched
NEWS 3	MAY 08	CA/CAplus Indian patent publication number format defined
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CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:32:40 ON 09 AUG 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:33:00 ON 09 AUG 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 AUG 2007 HIGHEST RN 944313-22-8
DICTIONARY FILE UPDATES: 8 AUG 2007 HIGHEST RN 944313-22-8

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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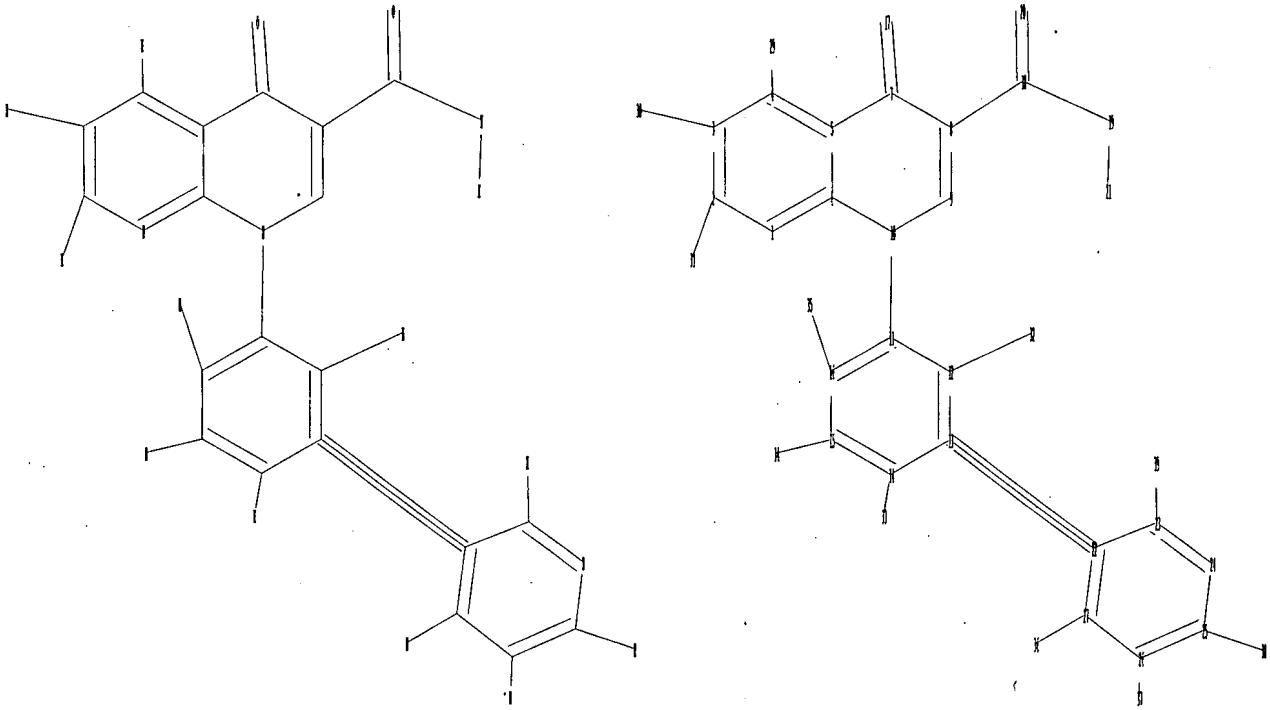
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10530465a.str



chain nodes :
17 18 19 20 21 29 30 31 32 33 34 35 36 37 38 39

```
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  22  23  24  25  26  27
chain bonds :
2-31  3-30  4-29  7-17  8-18  10-11  12-32  13-22  14-33  15-34  16-35  18-19
18-20  19-21  23-39  25-38  26-37  27-36
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  11-12  11-16  12-13  13-14
 14-15  15-16  22-23  22-27  23-24  24-25  25-26  26-27
exact/norm bonds :
5-7  6-10  7-8  7-17  8-9  9-10  10-11  18-19  18-20
exact bonds :
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26-37  27-36
normalized bonds :
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22-27  23-24  24-25  25-26  26-27
isolated ring systems :
containing 1 : 11 : 22 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:CLASS  18:CLASS  19:CLASS
20:CLASS  21:CLASS  22:Atom  23:Atom  24:Atom  25:Atom  26:Atom  27:Atom  29:CLASS
30:CLASS  31:CLASS  32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:CLASS
38:CLASS  39:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 full
FULL SEARCH INITIATED 13:33:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       24 TO ITERATE

100.0% PROCESSED       24 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

L2            0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   172.10     172.31

STN INTERNATIONAL LOGOFF AT 13:33:26 ON 09 AUG 2007
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